

780 CMR 23.00 WOOD

780 CMR 23.00 is Unique to Massachusetts

780 CMR 2301.0 GENERAL

2301.1 Scope. The provisions of 780 CMR 23.00 shall govern the materials, design, construction, and quality of wood members, systems, and structures, and their fasteners.

2301.2 General Requirements. Except as otherwise provided in 780 CMR 23.00, the design and construction of wood components, systems, and structures shall be in accordance with the following listed standards. ~~for allowable stress design (ASD) or the following listed standards:~~

1. ANSI/AF&PA NDS
2. AF&PA SDPWS Panel Supplement

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2303.2.3 Native Lumber. Native lumber shall be acceptable for use in one and two story dwellings, barns, sheds, agricultural and accessory structures. Native lumber shall also be acceptable for use in other one and two story structures as columns when the design loads are 25% greater than required in 780 CMR 16.00; as joists, principal beams, and girders in floor constructions when the design loads are 15% greater than required in 780 CMR 16.00; and as other elements when the design loads are as required in 780 CMR 16.00.

Each piece of native lumber produced shall be stamped with the name and registration number of the producer **and species** in accordance with 780 CMR 110.R4. ~~In addition, all native lumber shall bear an approved mark identifying the species of wood.~~ In lieu of the stamp**ing** bearing the name and registration number and species identification, a certification bearing the same information may be provided by the producer for precut or remanufactured lumber in accordance with 780 CMR 110.R4. When native lumber is used, it shall be subject to the following requirements:

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780 CMR 2305.0 GENERAL DESIGN REQUIREMENTS FOR LATERAL-FORCE RESISTING SYSTEMS

~~23305.1~~ **2305.1 General.** Structures using wood shear walls and diaphragms to resist wind, seismic and other lateral loads, shall be designed and constructed in accordance with the provisions of 780 CMR 2305.0 and 2306.0. Alternatively, compliance with the AF&PA SDPWS shall be permitted, except that the determination of shear capacity as described in the second sentence of AF&PA SDPWS, section 4.1.2 shall not be permitted.